



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In regard to the application of: Shlomo SHKOLNIK

Serial No: 09/914,487

Group Art Unit: Not yet assigned

I.A. Filing Date: December 25, 2000

Examiner: Unknown

For: MULTIDISCIPLINARY PROJECT INTEGRATION SYSTEM

**INFORMATION DISCLOSURE STATEMENT**

Hon. Commissioner of Patents and Trademarks  
Washington, DC 20231

**RECEIVED**

MAR 28 2002

Technology Center 2600

Sir:

Applicant respectfully direct the attention of the Examiner to art cited with respect to U.S. Application No. 09/914,487 which claims the benefit under 119(e) of U.S. Provisional Application No. 60/173,718.

The Examiner is respectfully requested to review and consider this art, in accordance with MPEP 2001.06, MPEP 1893.03(e) and MPEP 1893.03(g) and to indicate in the first office action that he has considered this art. Additionally, the Examiner is respectfully requested to cite those prior art publications mentioned in this application which the Examiner considers to be material or relevant to the present claims.

Further, in order to comply with discretionary regulations 37 C.F.R. §1.97 and §1.98, attached is Form PTO-1449 listing the cited art. Also attached are copies<sup>1</sup> of the art. This art contains information which the examiner may consider to be important in deciding whether to allow the present application to issue as a patent.

Since item 11 (EP 0 424 189) is in a foreign language, applicant attaches to it an English-language abstract.

<sup>1</sup> To the extent that a document is listed and no copy of same is attached, then such document is not at the present time available to the undersigned or is available in the national stage file. If a listed document is not in the English language and an English translation is readily available, such translation is also attached; if translation is not attached, it is not readily available to the undersigned. If a foreign language patent document is cited, and an English language equivalent is known to the undersigned, then such an equivalent patent is also cited on the attached form along with the corresponding foreign language patent and a connecting arrow indicated therebetween; if no such English language equivalent is cited then none is known to the undersigned.

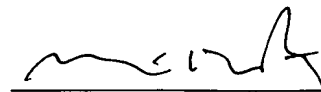
Since item 14 is in a foreign language, applicant encloses an English translation of JP Publication No. 08-016639, a copy of which is also attached. The translation was downloaded from the Japanese Patent Office site.

In accordance with MPEP Section 609 it is requested that each document cited (including any mentioned in Applicant's specification which is not repeated on the attached PTO-1449 form) be given thorough consideration and be cited of record in the prosecution history of the present application by initialing on the PTO-1449 form, so that it will appear on the face of the patent issuing on the present application, even if the Examiner does not consider it sufficiently pertinent to use in a rejection, or otherwise does not believe that the guidelines for citation have been fully complied with.

The present Information Disclosure Statement is being submitted in compliance with 37 C.F.R. §1.56 as an Examiner might consider any cited document important in deciding whether to allow the application to issue as a patent, but the citation of each document is not to be construed as an admission that such document is necessarily relevant or prior art. No representation is intended that the cited documents represent the results of a complete search, and it is anticipated that the Examiner in the normal course of examination, will make an independent search and will determine the best prior art consistent with 37 C.F.R. §1.104(a), and in the course of such search will review for relevance every document cited on the attached form.

Early and favorable consideration is earnestly solicited.

Respectfully submitted,  
Shlomo SHKOLNIK



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Registration No. 41,016

March 17, 2002  
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2123#BT<sup>4</sup>

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**  
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No. 5-15-02  
174/02403

In Re Application Of: Shlomo SHKOLNIK

Serial No.  
09/14,487

I.A. Filing Date  
December 25, 2000

Examiner  
Unknown

Group Art Unit  
Not yet assigned

Title: MULTIDISCIPLINARY PROJECT INTEGRATION SYSTEM

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MAR 2 8 2002

Address to:  
Assistant Commissioner for Patents  
Washington, D.C. 20231

Technology Center 2100

**37 CFR 1.97(b)**

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

**37 CFR 1.97(c)**

2. ☐ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:

☐ the statement specified in 37 CFR 1.97(e);

OR

☐ the fee set forth in 37 CFR 1.17(p).

# INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

ATTY DOCKET NO.

174/0

SERIAL NO.

09/914,487

Shlomo SHKOLNIK

FILING (I.A. Filing Date)

December 25, 2000

GROUP

Not yet assigned

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	1	4,216,461	05 Aug '80	WERTH, R. L. et al.			
	2	5,231,585	27 Jul '93	KOBAYASHI, M. et al.			
	3	5,307,261	26 Apr '94	MAKI, R. A. et al.			
	4	5,311,424	10 May '94	MUKHERJEE, S. K. et al.			
	5	5,555,403	10 Sep '96	CAMBOT, J. M. et al.			
	6	5,586,039	17 Dec '96	HIRSCH, J. S. et al.			
	7	5,761,063	02 Jun '98	JANNETTE, D. A. et al.			
	8	5,761,674	02 Jun '98	ITO, K.			
	9	5,835,899	10 Nov '98	ROSE, S. T. et al.			

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## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	10	EP 0 290 809	17 Nov '88	Europe				
	11	EP 0 424 189	24 Apr '91	Europe				
	12	WO 94/20918	15 Sep '94	PCT				
	13	WO 96/34350	31 Oct '96	PCT				
	14	JP 08-016639	19 Jan '96	Japan			✓	

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	15	HUGHES, D.; "Aerospace Invests Billions in ERP Software, Processes;" 25 January 1999; pp. 68-69; Aviation Week & Space Technology
	16	HUGHES, D.; "Aerospace Bets Heavily on SAP Software;" 25 January 1999; pp. 70, 72-73; Aviation Week & Space Technology

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)		Docket Number (Optional) 174/0003	Application Number 09/914,487
Applicant(s) <b>Shlomo SHKOLNIK</b>		Filing Date (IA Filing Date) December 25, 2000	
Group Art Unit Not yet assigned			

*EXAMINER INITIAL	OTHER DOCUMENT	Author, Title, Date, Pertinent Pages, Etc.)
	17	HUGHES, D.; "Boeing Struggles Toward DCAC/MRM Finish Line;" 25 January 1999; pp. 74-76; Aviation Week & Space Technology
	18	Brochure - "BAAN PDM, Manufacturing Enterprise PDM"; Bain, Inc.; pp. 1-8
	19	Boeing 747-200, Cutaway Drawing; Reprinted from 'Air International'
	20	PALMER, C.; "Technology Focus - Bridging the Design and Procurement Gap;" 20 October 1995; pp. 1-2; EDN Products Edition, Aspect Development, Inc.
	21	Department of Defense Interface Standard; Configuration Management Data Interface; MIL-STD-2549; 30 June 1997; pp. i-vii, 1-33
	22	"Design for Manufacture and Assembly Supports Lean Design;" October 1998; pp. 24-27; Aerospace Engineering
	23	NIGHTINGALE, D. S.; "Lean Aerospace Initiative, A Successful Model for Industry, Government and University Collaboration;" November 1998; pp. 164-169; IIE Solutions; 20
	24	WIMSATT, A.; "Applications - Virtual Reality Software Really Flies;" November 1998; pp. 170-171; IIE Solutions; 52
	25	Brochure - "Item Quest - Leverage the Power of Component and Supplier Management, a Decision Support Solution for Manufacturing Organizations;" IHS Engineering Products; 12 pages
	26	SAPERSTEIN, B. et al.; "Mechanical Assembly Management in Aircraft Design;" 17 February 1999; pp. 112-118; 39th Israel Annual Conference on Aerospace Sciences
	27	Brochure - "Teamset - a Concurrent Engineering Business Solution, the Manufacturing Toolset that Makes Teamwork a Reality;" CSC; 6 pages
	28	BOKULICH, F.; "CAD Software Integration;" March 1999; pp. 17-26; Aerospace Engineering

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<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)		Docket Number (Optional) 174/02	Application Number 09/914,487
Applicant(s) Shlomo SHKOLNIK		Filing Date (IA Filing Date) December 25, 2000	
Group Art Unit Not yet assigned			

*EXAMINER INITIAL	OTHER DOCUMENTS	Including Author, Title, Date, Pertinent Pages, Etc.)
	28	DORNHEIME, M. A. et al.; "Computerized Design System Allows Boeing to Skip Building 777 Mockup;" June 3, 1991; pp. 50, 52; Aviation Week & Space Technology
	29	"Earned Value Papers, NNH Enterprise, Work Breakdown Structure (WBS);" retrieved from the Internet < <a href="http://nnh.com/ev/wbs2.html">http://nnh.com/ev/wbs2.html</a> >; 22 November 1999; pp. 1-6
	30	"Earned Value Papers, NNH Enterprise, Responsibility Assignment Matrix (RAM);" retrieved from the Internet < <a href="http://nnh.com/ev/ram2.html">http://nnh.com/ev/ram2.html</a> >; 22 November 1999; pp. 1-3
	31	Brochure – "Aspect Development, Inc. - Comprehensive Family of Products, The Only One-stop Solution: Explore"; 13 pages
	32	BOEING Standard Wiring Practices Manual; "Wire Separation"; 1 August 1998; pp. 1-19; Manual No. D6-54446
	33	Military Standard; "Markings, Functions and Hazard Designations of Hose, Pipe, and Tube Lines for Aircraft Missile, and Space Systems"; MIL-STD-1247B; 20 December 1968; Boeing Standard - Added by Boeing 18 October 1988; pp. 1-20
	34	Military Specification; "Wiring, Aerospace Vehicle"; MIL-W-5088L; 10 May 1991; pp. 1, 14-16, 63-65, 67-75
	35	McDONNELL Aircraft Company, Saint Louis, Missouri; Standard Parts Manual; pp. 17-18 – 7-22
	36	BOEING Part Standard; Date - 25 January 1952, Rev (AW) - 2 April 1997; pp. 30.110.6.16.3 - 16.10, 17.4, 18.2 - 18.3, 20.2, 21.2, 22.1 - 22.10, 24.3, 25.2, 26.3, 27.3, 28.2, 29.2, 30.2 - 30.3, 31.4 - 31.5, 111.2
	37	National Aircraft Standards Committee; "Aircraft Electrical Wire Identification Code"; Approved - February 1944, Revision 1 - December 1944; pp. 1-4

EXAMINER	DATE CONSIDERED
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